

Replacement Claim 10:

1 10. An optical assembly comprising:
2 a substrate comprising silicon;
3 a semiconductor laser mounted over a major surface of the substrate and having a
4 back face;
5 at least one V- groove formed in the substrate near the back face of the laser, the
6 groove including surfaces formed in the <111> crystallographic plane of the substrate; and
7 an array of photodetectors optically coupled to light from the back face of the laser,
8 at least one of the surfaces of the V -groove positioned to receive a portion of the
9 light from the backface and reflect it away from the photodetectors so that the
10 photodetectors receive only direct light from the back face.

Replacement Claim 11:

1 11. An optical transmitter comprising an optical assembly, an optical filter
2 optically coupled to the assembly, at least one photodetector optically coupled to the
3 filter, and control circuitry electrically coupled to the photodetector, the assembly
4 comprising:
5 a substrate;
6 a light emitting device mounted over a major surface of the substrate and having a
7 face;
8 at least one channel formed in the substrate near the face of the light emitting
9 device, the photodetector being optically coupled to the light emitted from the face, and
10 the channel including at least one surface positioned to receive a portion of the face light
11 and reflect it away from the photodetector so that the photodetector receives primarily
12 direct light from the face.

Replacement Claim 12:

1 12. An optical network comprising a transmitter, an optical fiber optically coupled
2 to the transmitter, and a receiver optically coupled to the fiber, the transmitter comprising
3 an optical assembly comprising:
4 a substrate;

5 a light emitting device mounted over a major surface of the substrate and having a
6 face;

7 at least one channel formed in the substrate near the face of the light emitting
8 device; and

9 at least one photodetector optically coupled to the light emitted from the face, the
10 channel including at least one surface positioned to receive a portion of the face light and
11 reflect it away from the photodetector so that the photodetector receives primarily direct
12 light from the back face.

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2 **Replacement Claim 13:**

1 13. A method of forming an optical assembly comprising the steps of:
2 mounting a light emitting device having a face over a major surface of a substrate;
3 mounting a photodetector so as to receive light emitted from the face; and
4 forming a channel in the substrate in close proximity to the face, the channel
5 including at least one surface positioned to receive a portion of the light from the face and
6 reflect it away from the photodetector so that the photodetector receives primarily direct
7 light from the face.

Remarks

Reconsideration of the rejection of the subject matter of claims 1-16 is requested.

Claim 10 was objected to because of the misspelling of the word "array". This error has been corrected.

Claims 1-16 stand rejected under 35 USC 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the invention. In particularly, Examiner objected to the term "adapted to" as indefinite.

While applicants do not agree that the term "adapted to" is indefinite, in order to speed prosecution, applicants have substituted the term "positioned" in claims 1, 10, 11, 12, and 13. It is believed that this change should overcome the objection.

Claims 1-4, 11, and 12 stand rejected under 35 USC 102(e) as being anticipated by U.S. Patent No. 6,236,669 issued to Nakanishi et al. Nakanishi illustrates in Fig 8 a laser diode and photodiode module which includes a notch (93) formed in the substrate, and a WDM filter (95) formed on one surface of the notch. Examiner contends that the surface on which the filter is formed receives a portion of the face